



Roadline Products Inc.

Safety Data Sheet

Epoxy Bump Adhesive Part A

SECTION 1: Identification

1.1 Product identifier

Product name	Epoxy Bump Adhesive Part A
Brand Substance name	Industrial Striping Supplies

1.2 Other means of identification

Epoxy Adhesive Part A

1.3 Recommended use of the chemical and restrictions on use

Mix with Epoxy Adhesive Part B for use of adhering bumps/delineators to pavement surfaces.

1.4 Supplier's details

Name	Industrial Striping Supplies
Address	1395 Fairplex Drive LaVerne, CA 91750 USA
Telephone	(909) 957-4204

1.5 Emergency phone number(s)

1-800-467-4922 Chemtrec USA
+1-202-366-4488 (outside the USA)

SECTION 2: Hazard identification

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2.1 Classification of the substance or mixture

- Eye damage/irritation, Cat. 2A
- Eye damage/irritation, Cat. 2B
- Skin corrosion/irritation, Cat. 2
- Sensitization, skin, Cat. 1
- Acute toxicity, dermal, Cat. 4

2.2 GHS label elements, including precautionary statements

Pictogram



Signal word

Warning

Hazard statement(s)

H312	Harmful in contact with skin
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H320	Causes eye irritation

Precautionary statement(s)

P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash ... thoroughly after handling.
P272	Contaminated work clothing must not be allowed out of the workplace.
P280	Wear eye protection/face protection.
P280	Wear protective gloves.
P280	Wear protective gloves/protective clothing.
P302+P352	IF ON SKIN: Wash with plenty of water/...
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER/doctor/.../ if you feel unwell.
P321	Specific treatment (see ... on this label).
P332+P313	If skin irritation occurs: Get medical advice/attention.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P363	Wash contaminated clothing before reuse.
P501	Dispose of contents/container to ...

2.3 Other hazards which do not result in classification

not applicable

SECTION 3: Composition/information on ingredients

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3.1 Substances

Hazardous components

1. Reaction product: bisphenol-a-(epichlorohydrin) epoxy resin (number average molecularweight <= 700)

Concentration 50 - 75 % (weight)
CAS no. 25068-38-6

2. Talc

Concentration 10 - 25 % (weight)
CAS no. 14807-96-6

3. Titanium dioxide

Concentration 2.5 - 10 % (weight)
CAS no. 13463-67-7

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice	When symptoms persist or in all cases of doubt seek medical advice
If inhaled	Move to fresh air. Consult a physician after significant exposure.
In case of skin contact	Use a mild soap if available. Wash off immediately with soap and plenty of water while removing all contaminated clothing and shoes. If skin irritation persists, call a physician.
In case of eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. If eye irritation persists, consult a specialist.
If swallowed	Gently wipe or rinse the inside of the mouth with water. Give small amounts of water to drink. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.
Personal protective equipment for first-aid responders	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

4.2 Most important symptoms/effects, acute and delayed

Irritating to the skin. May cause sensitization by skin contact. Prolonged or repeated exposure increases the risk. Harmful to aquatic organisms.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.

SECTION 5: Fire-fighting measures

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5.1 Suitable extinguishing media

Carbon Dioxide, Dry Chemical, Foam

5.2 Specific hazards arising from the chemical

No information

5.3 Special protective actions for fire-fighters

In the event of a fire, wear self-contained breathing apparatus. High volume water jet. Hazardous decomposition products formed under fire conditions. Collect contaminated fire extinguishing water separately. This must not discharge into drains. Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Contains epoxy constituents.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Use personal protective equipment.

6.2 Environmental precautions

Do not allow material to contaminate ground water system. Prevent product from entering drains. May cause long-term adverse effects in the aquatic environment.

6.3 Methods and materials for containment and cleaning up

Prevent further leakage or spillage if safe to do so. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local, state and federal regulations (see section 13).

Reference to other sections

Please refer to disposal requirements or country specific disposal requirements for this material. See section 13 for further information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Use only in area provided with appropriate exhaust ventilation. Wear personal protective equipment. Wash hands before breaks and at end of the workday. When using do not eat, drink or smoke.

7.2 Conditions for safe storage, including any incompatibilities

Avoid extremes of temperature and direct sunlight. Store in original container. Keep locked up in an area accessible only to qualified or authorized persons. Store in a dry, well ventilated place away from sources of ignition, heat and direct sunlight.

Specific end use(s)

No specific advice for end uses available.

SECTION 8: Exposure controls/personal protection

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8.1 Control parameters

1. Talc (CAS: 14807-96-6)

PEL-TWA: 2.0 mg/m³ (OSHA)

2. Reaction product: bisphenol-a-(epichlorohydrin) epoxy resin (number average molecularweight <= 700) (CAS: 25068-38-6)

3. Titanium dioxide (CAS: 13463-67-7)

PEL-TWA: 15.0 mg/m³ (OSHA)

8.2 Appropriate engineering controls

Avoid contact with skin, eyes and clothing. Ensure adequate ventilation, especially in confined areas.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Safety glasses

Skin protection

Rubber or plastic gloves. Long sleeved clothing. Remove and wash contaminated clothing before reuse. Rubber or plastic apron.

Body protection

Rubber or plastic gloves. Long sleeved clothing. Remove and wash contaminated clothing before reuse. Rubber or plastic apron.

Respiratory protection

No personal respiratory protection equipment normally required unless atomization or mist of product occurs. In that case a chemical cartridge respirator is recommended.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	Thick paste
Odor	Faint epoxy odor
Odor threshold	not determined
pH	Non-aqueous
Melting point/freezing point	Not determined
Initial boiling point and boiling range	N.D. - N.D.
Flash point	> 240 deg F. (>116 deg C)
Evaporation rate	Not determined
Flammability (solid, gas)	Not determined
Upper/lower flammability limits	N/A - N/A
Upper/lower explosive limits	N/A - N/A
Vapor pressure	Not determined
Vapor density	Not determined
Relative density	Not Determined
Solubility(ies)	Negligible
Partition coefficient: n-octanol/water	Not determined
Auto-ignition temperature	Not determined
Decomposition temperature	Not determined
Viscosity	35,000 - 50,000 cps
Explosive properties	Not determined
Oxidizing properties	Not determined

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SECTION 10: Stability and reactivity

10.1 Reactivity

No reactive hazards known under normal storage and usage conditions.

10.2 Chemical stability

No decomposition if stored and applied as directed. Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous polymerization does not occur.

10.4 Conditions to avoid

Extremes of temperature and direct sunlight.

10.5 Incompatible materials

Strong oxidizing agents. Acids and bases.

10.6 Hazardous decomposition products

Thermal decomposition can lead to release of irritating gases and vapours. alcohols. Exothermic reaction. Carbon Dioxide (CO₂), oxides of Nitrogen (NO_X), dense black smoke.

SECTION 11: Toxicological information

Information on toxicological effects

Carcinogenicity

This product contains Titanium Dioxide, which is listed by IARC as a possible carcinogen to humans (Group 2B). This listing is based upon inadequate evidence of carcinogenicity in humans and sufficient evidence in experimental animals. This classification is relevant when exposed to Titanium Dioxide in dust or powder form only, including cured product that is subject to sanding, grinding, cutting, or other surface preparation activities.

SECTION 12: Ecological information

Toxicity

No information available.

Persistence and degradability

No information available.

Bio accumulative potential

No information available.

Mobility in soil

No information available.

Results of PBT and vPvB assessment

This product does not meet the criteria for PBT/VPvB in accordance with annex XIII.

Other adverse effects

No information available.

SECTION 13: Disposal considerations

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Disposal of the product

If recycling is not practical, dispose of in compliance with all local, state and federal regulations. Dispose of wastes only in an approved waste disposal facility in accordance to all regulations.

Disposal of contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or proper disposal.

Waste treatment

Dispose of wastes in an approved waste disposal facility in accordance to all applicable regulations.

SECTION 14: Transport information

DOT (US)

UN Number: UN3082

Class: 9

Packing Group: III

Proper Shipping Name: Environmentally Hazardous Substance, Liquid, N.O.S.

Reportable quantity (RQ):

Marine pollutant:

Poison inhalation hazard:

IMDG

UN Number:

Class:

Packing Group:

EMS Number:

Proper Shipping Name:

IATA

UN Number:

Class:

Packing Group:

Proper Shipping Name:

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

CERCLA - SARA Hazard Category

This product has been reviewed according to EPA "Hazard Categories" promulgated under sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories: NONE KNOWN

SARA Section 313 :

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the U.S. Superfund Amendment and Reauthorization Act (SARA) of 1986 and 40 CFR part 372: No SARA 313 components exist in this product

Toxic Substances Control Act

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States: No TSCA 12(B) components exist in this product.

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U.S. Clean Air Act

EPA Coating Category: Not Applicable, EPA VOC Content Limit (g/L) N/A (as per the federal EPA definition for coating categories in 40 CFR 59.401), Product VOC Content (g/l) 5 (grams per liter of coating product as applied (mixture of Part A and Part B) per ASTM D2369 Method E), Thinning Recommendations: N/A,

Pennsylvania Right to Know

No PA Right to Know components exist in this product

California Proposition 65

The following ingredients present in the product are known to the state of California to cause cancer: Titanium Dioxide CAS 13463-67-7.

New Jersey Right to Know

The following materials are non-hazardous but are among top five components in this product: alumina trihydrate CAS 21645-51-2

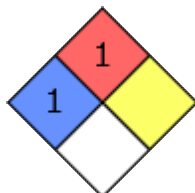
15.2 Chemical Safety Assessment

No chemical safety assessment has been carried out for this substance/mixture by the supplier.

HMIS Rating

HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	
PERSONAL PROTECTION	E

NFPA Rating



SECTION 16: Other information